

COUNTY COUNCIL OF WEST SUSSEX
With the Compliments of

THE COUNTY MEDICAL OFFICER.

ANNUAL REPORT

OF THE

COUNTY MEDICAL OFFICER OF HEALTH

FOR WEST SUSSEX.

For the year ended 31st December, 1919,

BY

RALPH D. SMEDLEY, M.A., M.D., D.P.H.,

County Medical Officer of Health, and School Medical
Officer.

WEST SUSSEX COUNTY COUNCIL.

THE PUBLIC HEALTH AND HOUSING COMMITTEE (1919.)

Mr. E. G. ARNELL, The Cottage, Selsey.
 Dr. E. I. BOSTOCK, The Causeway, Horsham.
 The Hon. Mrs. CECIL, Hothampton Court, Bognor.
 Mrs. ELLEN CHAPMAN, The Shrubbery, Broadwater.
 Mr. A. J. CONSTABLE, The Lodge, Littlehampton.
 Mr. E. A. DOBSON, Gentilshurst, Lodsworth.
 Mr. L. EAMES, "Horwood," Upper Nash, Pulborough.
 Dr. G. W. EUSTACE, Maltravers Street, Arundel.
 Mr. W. L. GIBBINGS, Northgate, Chichester.
 Mr. R. M. HELME, Lee Place, Billingshurst.
 Mr. E. G. LAMB, Borden Wood, Liphook, Hants
 Dr. S. P. MATTHEWS, Holly Lodge, Crawley.
 Mr. R. MORRIS, Five Oaks, Billingshurst.
 Mr. J. RAPLEY, "Fitzleroi," Fittleworth.
 Mr. H. A. RIGG, K.C., Walhurst Manor, Cowfold, Horsham.
 Mr. W. SAMS, "The Elms," Boundary Road, Worthing.
 Mr. J. SUMMERFIELD, 14, Arthur Road, Horsham.
 Mr. CHAS. TAYLOR, The Old House, Heene, Worthing.
 Dr. W. A. WILLS, Stedham, Midhurst.
 Rev. W. D. YOWARD, Eastergate Rectory, Chichester.

Ex-Officio.—The Chairman of the County Council : Lord Leconfield, Petworth House, Petworth; and the Vice-Chairman of the County Council : The Rev. E. D. L. Harvey, Beedingwood, Faygate, Horsham (*Chairman of Public Health and Housing Committee*).

DISTRICT MEDICAL OFFICERS OF HEALTH

DISTRICT.	MEDICAL OFFICER	
URBAN DISTRICTS.		
*ARUNDEL (M.B.)	...	W. J. Butcher, M.R.C.S., L.R.C.P., D.P.H.
BOGNOR	...	W. Conway Cooke, M.R.C.S., L.R.C.P.
CHICHESTER (M.B.)	...	A. M. Barford, M.D., D.P.H.
†HORSHAM	...	S. Child, M.A., M.B., D.P.H.
*LITTLEHAMPTON	...	} W. J. Butcher, M.R.C.S., L.R.C.P., D.P.H.
SHOREHAM-BY-SEA	...	
*SOUTHWICK	...	} R. H. Wilshaw, M.B., B.S. (Lond.), Ch.B., D.P.H. (Vict.)
WORTHING (M.B.)	...	
RURAL DISTRICTS.		
EAST PRESTON	...	Ditto
†HORSHAM	...	} S. Child, M.A., M.B., D.P.H.
†MIDHURST	...	
†PETWORTH	...	
*STEYNING WEST	...	W. J. Butcher, M.R.C.S., L.R.C.P., D.P.H.
†THAKEHAM	...	S. Child, M.A., M.B., D.P.H.
*WESTBOURNE	...	} W. J. Butcher, M R.C.S., L.R.C.P., D.P.H.
*WESTHAMPNETT	...	
PORT SANITARY AUTHORITIES.		
SHOREHAM-BY-SEA	...	Ditto
LITTLEHAMPTON	...	F. E. Haydon, M.B. (Glasg.), L.R.C.P., L.R.C.S. (Edin.)

* These Sanitary Districts form the West Sussex (Southern) Combined Sanitary District.

† " " " " (Northern) " " "

WEST SUSSEX COUNTY COUNCIL.

REPORT for the Year 1919, by the County Medical Officer.

The Administrative County of West Sussex comprises 8 Urban Districts, of which 3 are Municipal Boroughs, 8 Rural Districts and 2 Port Sanitary Authorities, the total area being approximately 620 square miles.

POPULATION.

The population of the Administrative County for the year 1919 is estimated by the Registrar-General to be as follows :—

		Estimated population for	
		Birth Rate.	Death Rate.
Urban Districts	...	85860	82423
Rural Districts	...	88765	85211
Total Administrative County	...	174625	167634

The calculations of the various rates given in this report are based on these figures.

VITAL STATISTICS, 1919.

The following Table shows the estimated population, birth and death, &c., rates of the various Sanitary Districts in the County :—

TABLE I.—VITAL STATISTICS.

SANITARY DISTRICT.	Population estimated by Registrar-General for 1919.		No. of Births.	Birth Rate.	Illegitimate Births.	No. of Deaths	Death Rate.	Deaths under 1 year.	Infant Mor- tality rate per 1000 births	Pulmonary Tuberculosis (Death Rate.)
	For Birth Rate.	For Death Rate.								
Urban Districts—										
Arundel... ..	2701	2593	35	12.9	2	40	15.4	3	85	1.1
Bognor	8738	8388	115	13.1	9	107	12.9	6	52	0.8
Chichester ...	11580	11116	205	17.7	19	172	15.4	21	102	0.9
Horsham	11695	11227	162	13.0	16	184	16.3	12	74	1.1
Littlehampton ...	8607	8264	171	19.8	19	113	13.6	10	58	0.7
Shoreham-by-Sea ...	5815	5582	102	17.5	11	59	10.5	7	68	0.8
Southwick	5113	4908	112	21.9	7	58	11.8	5	44	1.0
Worthing	31609	30345	376	12.1	27	478	15.1	21	56	1.1
Total Urban Districts	85860	82423	1278	14.88	110	1211	14.69	85	66	1.05
Rural Districts—										
East Preston	6414	6157	93	14.5	10	72	11.7	3	32	1.1
Horsham	20711	19882	268	12.9	17	242	12.1	10	37	0.7
Midhurst	14734	14144	204	13.8	22	197	13.9	6	29	0.7
Petworth	7755	7445	114	13.4	9	109	14.6	5	44	1.0
Steyning West ...	7913	7596	121	15.2	8	126	16.5	8	53	1.4
Thakeham	7723	7414	123	15.9	9	105	14.1	6	49	0.6
Westbourne	8482	8142	168	19.8	16	115	14.1	14	83	0.7
Westhampnett ...	15033	14431	224	14.8	18	204	14.1	12	53	1.1
Total Rural Districts	88765	85211	1315	14.81	109	1170	13.73	64	48	0.95
Administrative County	174625	167634	2593	14.84	219	2381	14.20	149	57	1.00

BIRTHS.

During the year the births of 2,593 children were registered, which is equivalent to a birth-rate of 14.84 per 1,000 population as compared with 14.44 in 1918.

There was a birth-rate of 14.81 per 1,000 in the Rural Districts as compared with 14.88 in the Urban Districts. The birth-rate in England and Wales in 1919 was 18.5.

As in the previous year the death rate was increased owing to the exceptional mortality from Influenza. It is to be noted, however, that the death rates given in this report are crude death rates and need correction for age and sex constitution of the population before a fair comparison can be made with the death rate for the country as a whole. It will not be possible to make these corrections until the results of the next Census are known.

TABLE II.—Showing for Each District the Number and Causes of Death During the Year 1919.

Causes of Death.	Arundel M.B.	Bognor U.D.	Chichester M.B.	Horsham U.D.	Littlehampton U.D.	Shoreham-by-Sea U.D.	Southwick U.D.	Worthing M.B.	East Preston R.D.	Horsham R.D.	Midhurst R.D.	Petworth R.D.	Steyning West R.D.	Thakeham R.D.	Westbourne R.D.	Westhampnett R.D.	Totals.
1. Enteric Fever	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
2. Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
3. Measles	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
4. Scarlet fever	...	...	4	...	...	...	...	1	...	...	2	1	...	...	...	...	20
5. Whooping Cough	...	4	5	...	...	...	...	2	2	1	...	...	1	1	1	3	76
6. Diphtheria and Croup	...	4	8	18	6	10	...	26	7	10	17	12	19	20	8	10	2
7. Influenza	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
8. Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Pulmonary Tuberculosis	3	7	10	14	6	5	5	37	7	17	10	8	11	5	6	17	168
10. Tuberculous Meningitis	...	1	1	...	...	...	2	...	1	4	1	1	2	1	...	...	14
11. Other Tuberculous Diseases	...	2	...	2	3	1	1	3	1	3	1	2	...	...	...	3	22
12. Cancer, Malignant disease...	5	13	20	25	16	3	13	51	6	34	17	14	10	11	13	19	270
13. Rheumatic Fever	...	...	...	...	1	...	...	1	1	...	1	...	...	...	1	3	8
14. Meningitis	...	...	1	1	1	...	...	...	...	...	...	...	...	3	2	...	8
15. Organic Heart Disease	7	12	13	32	15	5	5	68	7	37	9	27	21	16	17	40	351
16. Bronchitis	3	6	12	15	8	1	10	34	6	8	11	2	7	9	12	11	155
17. Pneumonia (all forms)	2	...	21	7	6	7	4	28	2	12	7	2	6	3	3	6	116
18. Other Respiratory Diseases	1	1	3	4	2	...	1	7	2	6	4	...	...	...	1	2	34
19. Diarrhoea, &c. (under 2 years)	...	...	2	1	1	...	...	...	...	...	...	...	2	1	1	2	10
20. Appendicitis & Typhlitis	...	1	...	2	1	...	...	4	...	2	...	...	1	...	2	2	15
21. Cirrhosis of Liver	...	1	...	...	...	...	...	...	...	2	...	...	1	2	1	3	10
21a. Alcoholism	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22. Nephritis and Bright's Disease	...	3	5	4	2	3	...	14	3	7	5	4	1	1	1	4	57
23. Puerperal Fever	...	...	...	...	...	...	1	...	...	2	...	...	...	1	...	1	5
24. Parturition apart from Puerperal Fever	...	...	1	...	1	...	...	1	...	...	1	1	...	...	...	...	5
25. Congenital Debility, etc.	1	2	9	6	3	6	2	11	2	5	4	5	4	4	6	6	76
26. Violent Deaths, apart from suicide	2	2	4	6	2	3	2	15	1	8	5	5	1	2	2	6	66
27. Suicide	1	...	1	...	1	...	2	3	...	1	1	1	...	1	...	1	13
28. Other Defined Diseases	14	44	52	47	37	15	10	170	24	81	81	24	39	24	38	64	764
29. Causes ill-defined or unknown	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	1	3
Totals	40	99	172	184	113	59	58	478	72	242	197	109	126	105	115	204	2381
Special Causes (included above) Cerebro-Spinal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Poliomyelitis...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE III.—CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE IN THE ADMINISTRATIVE COUNTY—1919.

Causes of Death.	All ages.	Under 1 yr.	1-2	2-5	5-15	15-25	25-45	45-65	65 & up.
(1) Enteric Fever ...	1	—	—	—	1	—	—	—	—
(2) Small Pox ...	—	—	—	—	—	—	—	—	—
(3) Measles ...	4	—	—	—	4	—	—	—	—
(4) Scarlet Fever ...	—	—	—	—	—	—	—	—	—
(5) Whooping Cough ...	8	2	1	2	2	—	—	1	—
(6) Diphtheria and Croup ...	20	—	—	5	12	2	1	—	—
(7) Influenza ...	176	3	8	13	4	25	66	25	32
(8) Erysipelas ...	2	—	—	—	1	—	—	1	—
(9) Pulmonary Tuberculosis ...	168	—	—	1	1	29	81	42	14
(10) Tuberculous Meningitis ...	14	4	3	—	4	2	—	1	—
(11) Other Tuberculous Diseases ...	22	2	2	—	7	3	4	3	1
(12) Cancer, malignant Disease...	270	—	—	—	1	4	8	96	161
(13) Rheumatic Fever ...	8	—	—	—	3	1	3	1	—
(14) Meningitis ...	8	—	—	—	3	1	1	3	—
(15) Organic Heart Disease ...	351	1	—	—	1	4	27	89	229
(16) Bronchitis ...	155	8	2	1	1	—	4	11	128
(17) Pneumonia (all forms) ...	116	15	13	9	2	8	14	19	36
(18) Other Respiratory Diseases ...	34	3	—	—	1	3	3	9	15
(19) Diarrhœa and Enteritis ...	16	10	—	—	—	1	2	2	1
(20) Appendicitis & typhlitis ...	15	—	—	2	3	1	6	2	1
(21) Cirrhosis of Liver ...	10	—	—	—	—	—	1	6	3
(21a) Alcoholism ...	—	—	—	—	—	—	—	—	—
(22) Nephritis & Bright's Disease ...	57	—	—	—	—	1	8	15	33
(23) Puerperal Fever ...	5	—	—	—	—	2	3	—	—
(24) Parturition, apart from Puerperal Fever ...	5	—	—	—	—	1	4	—	—
(25) Congenital Debility, &c. ...	76	75	—	1	—	—	—	—	—
(26) Violence apart from Suicide ...	66	2	—	3	11	4	7	17	22
(27) Suicide ...	13	—	—	—	—	—	5	7	1
(28) Other Defined Diseases ...	758	24	4	5	8	13	59	133	512
(29) Causes ill-defined or unknown ...	3	—	—	—	—	—	—	2	1
Totals ...	2381	149	33	42	70	105	307	485	1190

INFANT MORTALITY.

There were 149 deaths, the lowest on record, of Infants under one year, which is equivalent to an infant mortality rate of 57 per 1,000 births. The following Table gives the rates for the Administrative County and England and Wales for the past 9 years and indicates a remarkable diminution which has occurred in the Infant Mortality rate for the County, especially in the Rural Districts. It may be confidently asserted that not only has a considerable saving of life been effected, but much illness and disease has been prevented as a result of the greater care now bestowed upon the feeding and management of young children.

	1911.	1912.	1913.	1914.	1915.	1916.	1917.	1918.	1919.
Urban Districts ...	98	63	75	76	76	67	66	65	66
Rural „ ...	73	68	62	68	69	58	52	55	48
Administrative County ...	85	66	68	72	73	63	59	60	57
England and Wales ...	130	95	108	105	110	91	97	97	85

NOTIFICATIONS OF BIRTHS (EXTENSION) ACT, 1915.

BIRTHS.

Registered :—(1) Legitimate, 2,052 ; (2) Illegitimate, 192 ; (3) Total, 2,244.

Notified :—(1) Live births, 1,965 ; (2) Still-births, 39 ; (3) Total, 2,004.

(1) By midwives, 1,064 ; (2) By Parents and Doctors, 940.

Health Visiting :—Visits paid by Health Visitors during the year :—

To expectant mothers—(1) First visits, 988 ; (2) Total visits, 3,114.

To infants under 1—(1) First visits, 1,773 ; (2) Total visits, 6,217.

To children 1-5—Total visits, 6,624.

These figures do not include the Borough of Worthing.

The work of the Health Visitors is making great progress, and the increased demand made by mothers for the Health Visitors' services is the best testimony which can be given to the excellence of their work. Nearly 5,000 more visits were recorded in 1919 as compared with the previous year.

MATERNITY AND CHILD WELFARE CENTRES.

An additional Centre was established by the County Council at Northchapel on the 17th June, 1920.

The following table gives the number of Centres working in the County at the end of the year, with the dates of opening, days and hours of attendance, and the numbers on the registers and the average attendance per week :—

Name and Address of Centre.	Date Centre established.	Day and hour Centre held weekly	No. on register at end of year 1919.		Average attendance per week.	
			Children.	Ex-pectant mothers.	Children.	Ex-pectant Mothers.
Bognor , Parochial Hall...	30th May, 1918	Thursday, 2.30 p.m.	96	1	17	2
Chichester , 32, North Street ...	24th March, 1916	Friday, 2.30 p.m.	460	23	25	2
Horsham , Tan Cottage Brighton Road ...	13th April, 1916	Ditto	274	2	16	—
Southwick , Town Hall	29th March, 1917	Tuesday, 2.30 p.m.	37	—	14	—
Shoreham-by-Sea , Town Hall ...	18th July, 1917	Tuesday, 2.30 p.m.	36	—	14	—
* Arundel , Granville House, Maltravers St.	October, 1915	Ditto	44	7	22	2
* Littlehampton , The Welcome, 20, East Ham Road ...	October, 1915	Friday, 2.30 p.m.	99	8	30	3
† Haslemere (Surrey C.C.)	1st October, 1918	Ditto	72	—	4	—

* NOTE.—The Arundel and Littlehampton Maternity and Child Welfare Centres were established by Her Grace, the Duchess of Norfolk. The County Council contribute £120 per annum towards the maintenance of these Centres, and in return the Nursing Staff undertake Health Visiting, School work (part), and Tuberculosis Visiting.

† The County Council contribute £10 per annum to this Centre, which deals with mothers and children residing in Parishes of Fernhurst and Linchmere.

MIDWIFERY AND NURSING SERVICE.

In my last Annual Report I referred in detail to the arrangements made by the County Council with the West Sussex County Nursing Association and its Affiliated District Nursing Associations. During the year considerable progress was made in establishing additional Nursing Districts, which was made possible by the valuable assistance given by the County Nursing Association in this matter. At the end of 1919 there were 46 Nursing Districts employing 53 Nurses and Midwives, not including the whole-time Health Visitors employed by the County Nursing Association, who cover the areas not supplied with resident Nurses. In all areas Midwives act as Maternity Nurses and their work has been much appreciated both by the mothers and their medical practitioners.

FEES TO DOCTORS CALLED IN BY MIDWIVES.

During the year fees were paid to Medical Practitioners in 172 instances. The whole fee was recovered in 14 cases and in 36 cases part of the fee only was recovered.

PROVISION OF MATERNITY, ETC., BEDS AT THE HOSPITAL FOR WOMEN, BRIGHTON.

During the year eight cases were admitted to this Institution, seven cases were discharged and one was still in the Hospital at the end of the year.

ALEXANDRA HOSPITAL FOR SICK CHILDREN, BRIGHTON.

An Agreement dated the 2nd May, 1919, was entered into with the above Hospital for the reception of children under one year of age at the rate of 31s. 6d. per bed per week, or 5s. per bed per day for periods less than one week.

MILK (MOTHERS AND CHILDREN) ORDER, 1918.

During the year 95 orders for milk were issued to expectant mothers and 166 to children under five years of age, and approximately 3,000 lbs. of dried milk was sold at cost price at the Centres and by Nurses in Rural areas.

ACCOMMODATION FOR UNMARRIED MOTHERS AND THEIR CHILDREN TOGETHER.

The County Council have agreed to maintain suitable cases in the Hostel for Unmarried Mothers and their Babies, 21, Seafield Road, Hove. The Hostel retains mother and child for nine months or longer, the mother being sent out to earn her living by daily service at the end of the first month or thereabouts. The charge for maintenance of mother and child is as follows :—

25s. per week until mother goes out to service, and
20s. „ afterwards.

MIDWIVES ACTS, 1902 and 1918.

During the year 116 certified midwives notified their intention to practise. Thirteen of these midwives left the County during the year, 12 notified for holiday duty, 6 withdrew their notice of intention to practise, 3 have ceased to practise and 1 notified as having acted on one occasion. Excluding 13 midwives who reside without the County and are inspected by other Authorities, there remained at the end of the year 68 midwives requiring inspection, of whom 62 were trained and 6 were bona-fide midwives.

Quarterly visits were paid by the County Inspector of Midwives, and 220 routine visits of inspection and 9 special visits were made during the year.

During the year 359 notifications were received as follows :—

Medical help for the mother	...	...	...	...	...	194
Medical help for the child	...	...	...	...	...	73
Notifications of still-birth	...	...	...	...	...	24
Notification of death of mother before medical practitioner in attendance...						1
Notifications of death of child before medical practitioner in attendance	...					2
Notifications of liability to be a source of infection	...	...	...	...	...	12
Notifications of having laid out a dead body	...	...	...	...	...	23
Notification of artificial feeding	...	...	...	...	...	30
						359

The following Notifications of sending for Medical help for Mother were received during year 1919 :—

Lacerated Perineum	...	...	...	...	...	42
Prolonged and Obstructed Labour	...	...	...	...	...	42
Rise of Temperature	...	...	...	...	...	18
Malpresentation	...	...	...	...	...	10
Uterine Inertia	...	...	...	...	...	5
Adherent Placenta...	...	...	...	...	...	6
Retained Placenta and Membranes	...	...	...	...	...	7
Antepartum Hæmorrhage	...	...	...	...	...	12
Postpartum Hæmorrhage	...	...	...	...	...	8
Threatened Abortion	...	...	...	...	...	1
Complete Abortion...	...	...	...	...	...	12
Miscarriage	...	...	...	...	...	7
Dangerous Varicose Veins	...	...	...	...	...	3
Eclampsia	...	...	...	...	...	1
Oedema Legs	...	...	...	...	...	3
Hydramnios	...	...	...	...	...	1
Prolapse of Uterus	...	...	...	...	...	1
Puerperal Insanity...	...	...	...	...	...	1
Epileptic Fits	...	...	...	...	...	1
Vomiting of pregnancy	...	...	...	...	...	1
Influenza	...	...	...	...	...	2
Syphilis	...	...	...	...	...	2
Inflammation of Breast	...	...	...	...	...	2
Other	...	...	...	...	...	6
						194

The following Notifications of sending for Medical help for Children were received during the year ended 1919 :—

Premature and Feeble	...	...	...	...	...	20
Phimosis	...	...	...	...	...	19
Discharge from Eyes	...	...	...	...	...	9
Ophthalmia Neonatorum	...	...	...	...	...	6
Malformation	...	...	...	...	...	3
Eruption on Body...	...	...	...	...	...	3
Jaundice	...	...	...	...	...	2
Difficult Breathing...	...	...	...	...	...	2
Other Conditions	...	...	...	...	...	9
						73

The total number of births attended by Midwives during the year was 1,096.

INFECTIOUS DISEASES.

ZYMOTIC MORTALITY.

From the "Seven principal Epidemic Diseases," which include Scarlet Fever, Diphtheria, Small-pox, Enteric Fever, Whooping Cough, Diarrhoea and Measles, there were 43 deaths, which is equivalent to a death rate of 0.2 per 1,000 of the population.

The aggregate number of deaths in the Urban Districts was 25, as against 18 in the Rural Districts, the respective rates being 0.3 per 1,000 and 0.2 per 1,000.

From Enteric Fever there was 1 death, from Measles 4, from Whooping Cough 8, from Diphtheria and Croup 20, and from Diarrhoea 10.

TABLE VII.—Number of Deaths from Zymotic Diseases in each Sanitary District.

	Enteric Fever	Small-pox	Measles	Scarlet Fever	Whooping Cough	Diphtheria & Croup	Diarrhoea	Total	Death Rate
URBAN DISTRICTS.									
Arundel (M.B.) ...	—	—	—	—	—	—	—	—	0.0
Bognor ...	—	—	4	—	—	4	—	8	0.0
Chichester (M.B.) ...	—	—	—	—	4	5	2	11	0.9
Horsham ...	—	—	—	—	—	—	1	1	0.1
Littlehampton ...	—	—	—	—	—	—	1	1	0.1
Shoreham-by-Sea ...	—	—	—	—	—	—	—	—	0.0
Southwick ...	—	—	—	—	—	—	—	—	0.0
Worthing (M.B.) ...	1	—	—	—	1	2	—	4	0.1
RURAL DISTRICTS.									
East Preston ...	—	—	—	—	—	2	—	2	0.3
Horsham ...	—	—	—	—	—	1	—	1	0.05
Midhurst ...	—	—	—	—	2	—	—	2	0.1
Petworth ...	—	—	—	—	1	—	—	1	0.1
Steyning West ...	—	—	—	—	—	1	2	3	0.3
Thakeham ...	—	—	—	—	—	1	1	2	0.2
Westbourne ...	—	—	—	—	—	1	1	2	0.2
Westhampnett ...	—	—	—	—	—	3	2	5	0.3
Total Urban Districts ...	1	—	4	—	5	11	4	25	0.3
Total Rural Districts ...	—	—	—	—	3	9	6	18	0.2
Administrative County ...	1	—	4	—	8	20	10	43	0.2

NOTIFIABLE DISEASES.

During the year ended December 31st, 1919, the total number of cases of Infectious Disease notified to the District Medical Officers of Health was 2,078.

From Typhus there were 2 cases, Scarlet Fever there were 263 cases, from Diphtheria 297, from Enteric Fever 15, from Chicken Pox 18, from Erysipelas 27, from Measles and German Measles 833, from Cerebro-Spinal Meningitis 2, from Encephalitis Lethargica 4, from Acute Poliomyelitis 7, from Ophthalmia Neonatorum 17, from Puerperal Fever 5, from Pulmonary Tuberculosis 285, and from other forms of Tuberculosis 72, from Malaria 65, from Dysentery 2, from Acute Primary Pneumonia 64, from Acute Influenzial Pneumonia 90. There were no cases of Small-pox.

Diphtheria was responsible for 20 deaths, Whooping Cough 8 deaths, Enteric Fever 1 death, Measles 4 deaths, Pulmonary Tuberculosis 168 deaths, and other forms of Tuberculosis 36 deaths.

Three hundred and seventy-seven cases of Scarlet Fever, Diphtheria, Enteric Fever and Cerebro-Spinal Meningitis (65%) were removed to Isolation Hospitals.

The Notifiable Diseases were distributed throughout the County as shown in the following table. The figures enclosed in brackets indicate the number of cases removed to Isolation Hospital:—

TABLE VIII.—Cases of Infectious Diseases Notified amongst civilians during the Year 1919.

	Small Pox.	Cholera.	Diphtheria.	Erysipelas.	Scarlet Fever.	Typhus.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal.	Encephalitis- Lethargica.	Acute Polio- Encephalitis.	Ophthal. Neonatorum.	Measles & German Measles.	Pulmonary Tuberculosis.	Other Forms of Tuberculosis.	Malaria.	Dysentery.	Trench Fever.	Acute Primary Pneumonia.	Acute Influenzal Pneumonia.	Total.	
URBAN DISTRICTS																								
Arundel (M.B.)	—	—	2	—	4	—	1	—	—	—	1	—	—	—	5	3	2	—	*	*	*	*	*	22 (1)
Bognor	—	—	96	1	20	—	2	—	—	—	—	—	—	—	89	20	1	—	—	2	—	3	—	237 (91)
Chichester (M.B)	—	—	19	12	8	2	—	—	—	1	—	1	1	2	261	20	3	9	—	—	—	5	—	373 (51)
Horsham	—	—	3	1	7	—	—	—	—	—	—	—	—	—	27	13	2	—	—	—	—	34	—	55 (5)
Littlehampton	—	—	24	1	11	—	—	—	—	—	—	—	—	—	26	10	4	—	—	—	—	—	2	80 (17)
Shoreham-by-Sea	—	—	17	1	2	—	—	—	—	—	—	1	—	1	10	9	1	4	—	—	—	3	1	50 (—)
Southwick	—	—	—	1	2	—	—	—	—	—	—	—	—	2	—	5	3	3	—	—	—	1	—	17 (—)
Worthing (M.B.)	—	—	53	4	53	—	7	—	—	—	—	—	—	3	66	75	14	12	—	—	—	—	17	304 (90)
RURAL DISTRICTS																								
East Preston	—	—	7	2	4	—	—	—	—	—	—	—	—	—	23	7	5	—	—	—	—	—	3	51 (1)
Horsham	—	—	12	5	90	—	—	—	—	1	—	—	1	2	69	17	4	9	—	—	—	—	16	226 (63)
Midhurst	—	—	10	1	9	—	—	—	—	—	—	—	—	4	56	19	2	6	—	—	—	—	4	111 (—)
Petworth	—	—	5	1	6	—	—	—	—	1	—	—	—	—	8	6	7	2	—	—	—	—	16	52 (—)
Steyping West	—	—	10	1	9	—	—	—	—	—	—	—	—	1	24	†45	†9	—	—	—	—	2	16	117 (12)
Thakeham	—	—	13	—	13	—	—	—	—	1	—	—	—	2	47	13	1	1	—	—	—	—	4	93 (—)
Westbourne	—	—	3	1	12	—	5	—	—	1	—	—	1	—	13	5	2	5	—	—	—	3	5	58 (7)
Westhampnett	—	—	23	5	13	—	—	—	—	—	1	1	4	—	109	18	11	14	—	—	—	10	5	214 (39)
Total Urban Districts	—	—	214	21	107	2	10	—	—	1	1	3	1	8	484	155	31	28	—	2	—	49	21	1138 (255)
Total Rural Districts	—	—	83	16	156	—	5	—	—	4	1	1	6	9	349	130	41	37	—	—	—	15	69	922 (122)
Administrative County	—	—	297	37	263	2	15	—	—	5	2	4	7	17	833	285	72	65	—	2	—	64	90	2060 (377)

In addition 18 cases of Chicken Pox were notified in the Shoreham Urban District.

* These Infectious Diseases were made notifiable during the year 1919.

† Includes 25 temporary visitors	{ at Convalescent Homes.
† „ 8 „	

PUBLIC HEALTH (CEREBRO-SPINAL) FEVER REGULATIONS, 1918.

Arrangements have been made for specimens of fluid to be examined at Brighton and serum and the necessary apparatus for its use is issued from the County Health Department to Medical Practitioners throughout the County as required.

TUBERCULOSIS.

Tuberculosis in its various forms accounted for 204 deaths, the death-rate being 1·21 per 1,000 population. 8·6% of the total mortality from all causes was due to Tuberculosis. Deaths from Tuberculosis are classified as follows:—

Pulmonary Tuberculosis—Includes “Phthisis” (not otherwise defined), acute phthisis and acute general or miliary tuberculosis.

Tuberculous Meningitis.

Other Tuberculous diseases—Includes Tabes Mesenterica and other forms of abdominal tuberculosis, tuberculosis of spine, bones, joints, glands and other organs excluding the lungs.

From Table IX. it will be noted that 97·8% of the deaths from Pulmonary Tuberculosis occurred after the age of 15 years—the most fatal period being between the ages of 25 and 45 years.

TABLE IX.—Shewing number and percentage of deaths at various ages from Pulmonary and Non-Pulmonary Tuberculosis during the year 1919:—

				Total all ages.	Number and Percentage.		
					0-5 years.	5-15 years.	15 years and over.
PULMONARY TUBERCULOSIS :—							
Urban Districts	...	...	87	1 (1·1%)	1 (1·1%)	85 (97·8%)	
Rural Districts	...	...	81	—	—	81 (100%)	
Administrative County	...	...	168	1 (0·6%)	1 (0·6%)	166 (98·8%)	
NON-PULMONARY TUBERCULOSIS :—...							
Urban Districts	...	...	16	5 (31·2%)	2 (12·6%)	9 (56·2%)	
Rural Districts	...	...	20	6 (30%)	9 (45%)	5 (25%)	
Administrative County	...	...	36	11 (30·6%)	11 (30·6%)	14 (38·8%)	
ALL FORMS OF TUBERCULOSIS :—							
Urban Districts	...	...	103	6 (5·8%)	3 (2·9%)	94 (91·2%)	
Rural Districts	...	...	101	6 (5·9%)	9 (8·9%)	86 (85·2%)	
Administrative County	...	...	204	12 (5·9%)	12 (5·9%)	180 (88·2%)	

Pulmonary Tuberculosis:—From Table X. it will be noted that this disease was the cause of 168 deaths (as compared with an average of 164 deaths during the past ten years), i.e., 82% of all deaths from all forms of Tuberculosis, giving a death-rate for the County of 1·0 for 1,000 population, as compared with a rate of 1·2 in the preceding year.

TABLE X.—Number of Deaths from Pulmonary Tuberculosis, 1909-1918 and in 1919.

	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Av. 1909-1918
Urban Districts ...	80	80	70	64	65	72	102	102	86	116	87	84
Rural Districts ...	85	77	73	69	83	72	72	94	89	86	81	80
Administrative County ...	165	157	143	133	148	144	174	196	175	202	168	164
Death-rate per 1,000 living	0·96	0·90	0·80	0·75	0·81	0·78	1·05	1·23	1·12	1·24	1·0	0·97

Other Tuberculous diseases :—Including the deaths from Tuberculous Meningitis there were 36 deaths from Tuberculous disease affecting parts of the body other than the lungs, giving a death-rate for the County of 0·20 per 1,000 population as compared with 0·34 last year. In contrast with Pulmonary Tuberculosis, it will be noted from Table IX. that this group of diseases chiefly affects children, about two-thirds of the deaths occurring under the age of 15 years.

NOTIFICATION OF TUBERCULOSIS.

The following Table shews the number of Notifications received from the 11th January, 1919, to the 3rd January, 1920 :—

TABLE XI.

SUMMARY of Notifications during the period from the 11th January, 1919, to the 3rd January, 1920.

	Notifications on Form A.												Form B.				Form C.	
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and up- wards	Total.	0 to 5	5 to 10	10 to 15	Total.	Poor Law In- stitu- tions.	Sana- toria.
Pulmonary Tuberculosis :—																		
Males ...	—	—	6	3	13	22	41	36	20	10	3	154	—	1	2	3	4	58
Females ...	1	—	—	2	19	15	41	23	23	4	3	131	—	1	—	1	2	56
	1	—	6	5	32	37	82	59	43	14	6	285*	—	2	2	4	6	114
Other forms of Tuberculosis (Non- Pulmonary) :—																		
Males ...	2	4	8	7	1	1	6	3	2	—	1	35	1	1	3	5	1	7
Females ...	3	3	5	7	3	1	6	5	2	—	1	36	—	4	3	7	—	4
	5	7	13	14	4	2	12	8	4	—	2	71†	1	5	6	12	1	11

* Includes 25 cases temporarily resident in the County in Convalescent Homes.

† Includes 8 cases temporarily resident in the County in Convalescent Homes.

TREATMENT OF TUBERCULOSIS.

The Scheme has been working satisfactorily during the year. The work at the Dispensaries is shewn in the following Tables :—

(a) NUMBER OF CIVILIAN CASES EXAMINED FOR THE FIRST TIME FROM THE 1ST JANUARY, 1919, TO THE 31ST DECEMBER, 1919.

Dispensary.	Diagnosed as suffering from Tuberculosis.							Diagnosed not suffering from Tuberculosis.							Undiagnosed and remaining under observation.							Total No. examined.
	Insured.		Un-Ins.		Children.		T ¹ .	Insured.		Un-Ins.		Children.		Ttl.	Insured.		Un-Ins.		Children.		Ttl.	
	M.	F.	M.	F.	M.	F.		M.	F.	M.	F.	M.	F.		M.	F.	M.	F.	M.	F.		
Arundel ...	7	1	1	—	2	—	11	2	—	—	—	3	4	9	—	—	—	—	3	3	6	26
Chichester ...	53	14	4	7	4	7	89	23	—	—	2	11	12	48	—	—	—	1	—	3	4	141
Horsham ...	29	9	—	3	0	10	60	26	—	—	2	9	9	46	1	—	—	—	2	1	4	110
Worthing ...	57	16	4	5	6	2	90	22	1	1	2	26	20	72	1	—	—	1	9	11	22	184
Outside areas ...	—	—	—	—	1	2	3	—	—	—	—	2	3	5	—	—	—	—	—	1	1	9
	146	40	9	15	22	21	253	73	1	1	6	51	48	180	2	—	—	2	14	19	37	470

(b) NUMBER OF TUBERCULOUS PATIENTS, INCLUDING SUSPECTED CASES, SUPERVISED DURING THE YEAR AND REMAINING UNDER TREATMENT AT THE END OF THE YEAR.

Dispensary.	Supervised during the year.							Number remaining under treatment and supervision at end of year.*						
	Insured.		Uninsur.		Children.		Ttl.	Insrd.		Unisrd.		Chldn.		Total.
	M.	F.	M.	F.	M.	F.		M.	F.	M.	F.	M.	F.	
Arundel ...	7	4	—	—	7	8	26	3	1	1	—	4	4	12
Chichester ...	52	14	2	12	36	36	152	17	5	—	6	13	16	57
Horsham ...	42	8	—	5	13	16	84	15	2	—	4	10	7	38
Worthing ...	72	9	8	13	56	50	208	32	1	5	4	15	13	70
Outside Areas	—	—	—	—	—	—	—	—	—	—	—	3	5	8
	173	35	10	30	112	110	470	67	9	6	14	45	45	185

* Excluding cases on Domiciliary treatment or Domiciliary supervision and cases at Sanatoria.

The total number of attendances of all patients at the Dispensaries was 1,831, giving an average weekly attendance of 9 patients at each Dispensary. 640 visits were paid by Tuberculosis Nurses to patients in outside areas in addition to 413 visits paid to patients by the Dispensary Nurses. Six patients were under continuous supervision during the year.

SANATORIUM TREATMENT, ETC.

Accommodation was reserved, as in previous years, at various Sanatoria, and a few cases requiring surgical treatment were sent to the Chichester Hospital, Royal Sea Bathing Hospital, Margate, and the Lord Mayor Treloar Home, Alton. There is still no accommodation for advanced cases of Tuberculosis, but it is very satisfactory to report that, under an Agreement dated the 3rd December, 1919, with the Worthing Corporation, the County Council will provide, at the Swandean Infectious Diseases Hospital, a block containing accommodation for 12 patients. It is hoped that this accommodation will be available at an early date and will be reserved for acute and advanced cases of Tuberculosis and cases needing special observation.

The following Statement shows the number of patients who received treatment during the year:—

	Insured.	Uninsured.	Children.	Total.
Number of patients receiving Sanatorium treatment on 31st December, 1918 ...	26 (15)	1	4	31 (15)
Ditto, ditto, Hospital, ditto ...	4	1	3	8
Number of patients admitted to Sanatoria from 1st January, 1919, to 31st December, 1919	95 (56)	8	17	109 (56)
Ditto, ditto, to Chichester, Margate and Alton Hospitals for Surgical treatment ...	9 (4)	3	11	23 (4)
Ditto, ditto, who were discharged from Sanatoria during same period ...	92 (56)	6	11	109 (56)
Ditto, ditto, Hospitals, same period ...	8 (2)	3	11	22 (2)
Ditto, ditto, who died at Sanatorium, same period ...	—	—	—	—
Ditto, ditto, Hospital, ditto ...	1 (1)	—	—	1 (1)
Ditto, ditto, still receiving treatment on 31st December, 1919 ...	29 (15)	3	10	42 (15)
Ditto, ditto, Hospital, ditto, ditto ...	4 (1)	1	3	8
Total number of days Sanatorium treatment received by all patients ...	10823 (5988)	861	3109	14793 (5988)
Ditto, ditto, Hospital, ditto ...	1664 (628)	109	938	2711 (628)
Total number of days all forms of treatment ...	12487 (6616)	970	4047	17504 (6616)

(The figures in brackets denote discharged soldiers and the days of treatment received by them.)

The cost of Sanatorium treatment for the year ended 31st December, 1919, was £4,224.

PUBLIC HEALTH (VENEREAL DISEASES) REGULATIONS, 1916.

The following statement shows the work done at the Clinics at the Royal Sussex County Hospital and Royal Portsmouth Hospital respectively, up to the 31st December, 1919:—

	Sussex County Hospital, Brighton.	Royal Portsmouth Hospital.	Totals.
Number of persons dealt with during the year for the first time and found to be suffering from :—			
Syphilis	48	11	59
Soft Chancre	6	1	7
Gonorrhœa	55	14	69
Conditions other than Venereal ...	39	14	53
Totals	148	40	188
Total number of attendances at Out-patient Clinics	1213	375	1588
Aggregate number of "In-patient days" ...	269	70	339
Number of doses of Salvarsan Substitute given...	428	121	549
Number of Pathological Examinations ...	464	132	596

The days and hours at the Brighton and Portsmouth Clinics are as follows:—

Name and Address of Clinic.	Days and Hours of Attendance.
Royal Sussex County Hospital, Eastern Road, Kemp Town, Brighton Nearest Station : Brighton Central. This Clinic is intended to serve persons resident in the Eastern part of the County.	Men :— Mondays ... } 5.0 p.m. to 7.0. p.m. Tuesdays ... } Saturdays ... 3.30 p.m. to 5.30 p.m. WOMEN :— Thursdays ... 3.30 p.m. to 5.30 p.m. Saturdays ... 11.30 a.m. to 1.30 p.m.
Royal Portsmouth Hospital, Landport, Portsmouth. Nearest Station : Portsmouth Town This Clinic is intended to serve persons resident in the Western part of the County	MEN :— Tuesdays ... } 5.0 p.m. to 7.30 p.m. Thursdays ... } Saturdays ... 2.0 p.m. to 5.30 p.m. WOMEN :— Wednesdays ... 2.0 p.m. to 4.30 p.m. Fridays ... 10 a.m. to 12.30 p.m.

WORTHING VENEREAL DISEASES CLINIC.

Cases residing in the eastern part of the County are now referred to the Worthing Clinic instead of the Brighton Clinic, but the County Council will be responsible for any West Sussex cases that may have attended the Brighton Clinic during the year.

An additional Clinic was established at the Worthing Hospital, Lyndhurst Road, Worthing, on the 21st April, 1920. The days and hours of attendance are as follows:—

Wednesdays	...	2 p.m. to 5 p.m.
Fridays	...	5 p.m. to 7 p.m.

ISOLATION HOSPITALS.

CHICHESTER ISOLATION HOSPITAL.—During the year a steam disinfecter has been provided at this Hospital.

The Westhampnett Rural District Council have provided Isolation Hospital accommodation for their District on the site of the old Workhouse. Three new Army Huts have been erected, providing accommodation for the treatment of three different diseases concurrently.

The remainder of the Isolation Hospital accommodation in the County has been given in previous Annual Reports, more particularly in my Annual Report for 1914.

SMALL POX HOSPITAL ACCOMMODATION.

The agreement made between the County Council and the Brighton Corporation is given in detail in the report for 1916, and still remains in operation.

MENTAL DEFICIENCY ACT, 1913.

Owing to the depletion of staff, only urgent cases were dealt with under the above Act. Up to the time of writing this report, 52 defectives have been sent to Institutions, 5 placed under guardianship, and 63 under supervision.

WATER. SUPPLY.

The Urban Districts are supplied with water of good quality, and in most cases the supply is sufficient to meet all needs. A number of Parishes in Rural Districts are still dependent upon shallow wells.

HOUSING FOR THE WORKING CLASSES.

Every Sanitary District completed a form of survey of housing needs (D.89) issued by the Ministry of Health, and the statement given below indicates the number of houses to be provided by the different Authorities. Great difficulty has been experienced in this County, as elsewhere, in dealing with this urgent problem, and it will obviously be some time before the building programme is completed, though there would appear to be some reasonable hope of about 500 houses being erected in the next six months. In addition a few houses are being erected by private enterprise.

	No. of houses estimated to be needed.	Approx. No. to be provided by Local Authority.	No. of houses building or contracts let (Sept., 1920.)
URBAN DISTRICTS.			
Arundel	35	24	24
Bognor	140	140	54
Chichester	26	26	22
Horsham	66	60	50
Littlehampton	114	66	66
Shoreham-by-Sea	100	100	56
Southwick	112	112	—
Worthing	284	284	68
Total Urban Districts	877	812	340
RURAL DISTRICTS.			
East Preston	105	105	—
Horsham	198	198	30
Midhurst	64	64	20
Petworth	130	118	7
Steyning West	317	232	48
Thakeham	138	136	—
Westbourne	118	118	20
Westhampnett	300	300	66
Total Rural Districts	1370	1271	191
Total Administrative County	2247	2083	531

RIVERS POLLUTION PREVENTION ACTS.

No action was taken by the County Council or the Local Sanitary Authorities during the year.

DRAINAGE AND SEWERAGE, SCAVENGING AND REFUSE DISPOSAL.

No new work of importance has been carried out with regard to drainage and sewerage, scavenging and refuse disposal.

SALE OF FOOD AND DRUGS ACTS.

Table shewing articles purchased for analysis by the Public Analyst, with result of analysis, for the year ended the 31st December, 1919:—

Article.	No. of samples analysed.	Result of Analysis.	
		Genuine.	Otherwise
New Milk	163	125	38
Butter	2	2	—
Silver Nitrate... ..	1	1	—
	166	128	38

The average content of the 163 samples of new milk was as follows :—

Fat.	Solids not Fat.	Total Solids.
3.69 per cent.	8.75 per cent.	12.44 per cent.

The standard (presumptive) of the Board of Agriculture for milk is 3 per cent of fat and 8.5 per cent. of non-fatty solids.

PUBLIC HEALTH (MILK AND CREAM) REGULATIONS, 1912.

REPORT FOR THE YEAR ENDED 31ST DECEMBER, 1919.

1. Milk and Cream not sold as Preserved Cream.

	(a) Number of Samples examined for the presence of a preservative	(b) Number in which preservative was reported to be present.
Milk ...	163	*1
Cream ...	Nil.	Nil.

*Boric preservative. 17 Grains per pint. Vendor summoned. Fined £20.

2. Cream sold as Preserved Cream.

No samples were taken for analysis.

PORT OF NEW SHOREHAM.

The number of Vessels entering the Port during the year was 219. Of these 186 were from British Ports and 33 from abroad; the total tonnage of the former amounted to 35,655, and of the latter, 4,180.

Inspection.—Every vessel was visited and inspected by the Port Sanitary Inspector.

Infectious Disease.—Only one case of sickness was reported during the year. Leaflets containing information as to the dangers of venereal disease and the facilities available for treatment were placed on every ship. Similar precautions were also taken with regard to influenza when prevalent.

Public Health (Regulations as to Food) Act, 1907.—Six Food ships with approximately 1,200 tons of flour entered the Port.

PORT OF LITTLEHAMPTON.

The number of Vessels entering the Port during the year was 60; of these, 47 were from British Ports and 13 from foreign ports. The total tonnage was 5,304.

Inspection.—The Medical Officer and Inspector examined all the vessels except Transports as early as possible after arrival.

Infectious Disease.—No cases occurred during the year.

RALPH D. SMEDLEY,
County Medical Officer.

COUNTY HEALTH OFFICE,
47, West Street,
Chichester.

August, 1920.

